

09/05/03  
16563 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

Our Docket No.: 14318.04

First Named Inventor: Matthew Dugas

Title: Solid State Membrane Channel Device for the  
Measurement and Characterization of Atomic and Molecular  
Sized Sample

Express Mail No.: EV324255034US

ADDRESS TO:

Mail Stop PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

0940 U.S. PTO  
10/656859  
09/05/03

## APPLICATION ELEMENTS

1. ☐ Fee Calculation Sheet  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status
3. ☒ Specification Total Pages: 16
  - ☒ Descriptive title of the invention
  - ☒ Cross Reference to Related Applications
  - ☐ Statement Re: Fed. Sponsored R&D
  - ☐ Reference to Microfiche Appendix
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings
  - ☒ Detailed Description
  - ☒ Claims
  - ☒ Abstract of the Disclosure
4. ☒ Drawings (35 U.S.C. 113) Total Sheets: 10
5. ☒ Oath or Declaration Total Pages: 2
  - a. ☐ Newly Executed (original or copy)
  - b. ☒ Copy from a prior application (37 C.F.R. 1.63(d))  
(for continuation/divisional with  
Box 19 completed)
    - i. ☐ DELETION OF INVENTORS  
Signed statement attached deleting inventor(s)  
named in the prior application (37 C.F.R.  
1.63(d)(2) and 1.33(b))
6. ☒ Application Data Sheet (37 C.F.R. 1.76)
7. ☐ CD-ROM or CD-R in duplicate,  
large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Certification Under 35 U.S.C. 122(b)(2)(B)(i)
10. ☐ Assignment Papers (cover sheet & document(s))
11. ☐ 37 C.F.R. 3.73(b) Submission
12. ☐ Power of Attorney
13. ☐ Information Disclosure Statement  
(with Copies of Citations as necessary)
14. ☐ Preliminary Amendment Total Pages:
15. ☐ Certified Copy of Priority document(s)  
(if foreign priority is claimed)
16. ☐ English Translation Document (if applicable)
17. ☒ Return Receipt Postcard  
(Should be specifically itemized)
18. ☐ Other
  - ☐ Check No. \_\_\_\_\_ for \$ \_\_\_\_\_
  - ☐ Copy of Power of Attorney from prior application
  - ☐
  - ☐
  - ☐
  - ☐

## CONTINUATION APPLICATIONS

19. If a CONTINUING APPLICATION, check appropriate box and  
supply the requisite information:

- ☒ Continuation
- ☐ Division
- ☐ Continuation-in-Part (CIP)

### of PRIOR APPLICATION

No. 09/815,461, filed March 23, 2001  
and also claims priority from  
60/191,663, dated March 23, 2000.

For CONTINUATION or DIVISIONAL APPLICATIONS: The entire  
disclosure of the prior application, from which a copy of the oath or  
declaration is supplied under Box 5b, is considered as being part of the  
disclosure of the accompanying application and is hereby incorporated  
by reference.

## CORRESPONDENCE ADDRESS

ADDRESS	CUSTOMER NUMBER  *25763* 25763 PATENT TRADEMARK OFFICE	DORSEY & WHITNEY LLP Intellectual Property Department Suite 1500 50 South Sixth Street Minneapolis, MN 55402-1498	
TELEPHONE	612-340-7990	FAX	612-340-8856
Attorney Name: Devan V. Padmanabhan		Reg. No. 38,262	
Signature: <i>Devan V. Padmanabhan</i>		Date: <i>Sept. 5, 2003</i>	